

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. - 18. (canceled).

19. (currently amended): A liquid ejecting apparatus comprising:

a movable head that is provided with a plurality of nozzles for ejecting a liquid;

a ~~carry-transport~~ unit for ~~carrying-transporting~~ a medium in a predetermined ~~carrying~~
transporting direction; and

a sensor for detecting ~~an edge lateral edges~~ of said medium and that is movable with said head;

~~wherein said liquid ejecting apparatus controls ejection of said liquid from said plurality of nozzles in accordance with a result of the detection of said sensor; and~~

wherein a position, in the transporting ~~carrying~~ direction, of said sensor is on an upstream side of a nozzle located most upstream in said transporting ~~carrying~~ direction, of among said plurality of nozzles;

wherein said liquid ejecting apparatus generates print data expressing a print image, a width of said print image of said print data is wider than the width of said medium;

wherein said print data is masked so as to leave a margin outside each of said lateral edges detected by said sensor; and

wherein, in accordance with the masked print data, said liquid ejecting apparatus ejects said liquid in a region that is set wider than the width of said medium and does not eject said liquid beyond said margin.

20. (canceled).

21. (currently amended): A liquid ejecting apparatus according to claim 20, wherein a position, on the most downstream side in said carrying-transporting direction, of a detection region of said sensor is located on the upstream side, in said carrying-transporting direction, of said nozzle located most upstream in said carrying-transporting direction.

22. (currently amended): A liquid ejecting apparatus according to claim 19, wherein said carry-transport unit transports ~~carries~~ said medium by a predetermined carry transport amount in said carrying-transporting direction; and wherein the position, in the carrying-transporting direction, of said sensor is on the upstream side, in said carrying-transporting direction, away from said nozzle located most upstream in said carrying-transporting direction by more than said carry-transport amount.

23. (original): A liquid ejecting apparatus according to claim 22, wherein said liquid ejecting apparatus ejects the liquid onto the edge of said medium using a portion of said plurality of nozzles after said sensor no longer detects said medium.

24. (currently amended): A liquid ejecting apparatus according to claim 23, wherein said liquid ejecting apparatus ejects the liquid onto said medium using all of said plurality of nozzles in a state where said sensor no longer detects said medium, and after said ~~carry-transport~~ unit has further ~~carried-transported~~ said medium by said ~~carry-transport~~ amount, said liquid ejecting apparatus ejects said liquid onto the edge of said medium using a portion of said plurality of nozzles.

25. (currently amended): A liquid ejecting apparatus according to claim 22, wherein a position, on the most downstream side in said ~~carrying-transporting~~ direction, of a detection region of said sensor is on the upstream side, in said ~~carrying-transporting~~ direction, away from said nozzle located most upstream in said ~~carrying-transporting~~ direction by more than said ~~transport~~ ~~carry~~-amount.

26. (currently amended): A liquid ejecting apparatus according to claim 19, wherein said ~~carry-transport~~ unit has a ~~carry-transport~~ roller for ~~carrying-transporting~~ said medium up to a position where said liquid can be ejected onto said medium; and wherein the position, in the ~~carrying-transporting~~ direction, of said sensor is on the downstream side of said ~~carry-transport~~ roller.

27. (currently amended): A liquid ejecting apparatus according to claim 26, wherein a process of correcting a skew in said medium is performed on the upstream side of said ~~carry-transport~~ roller.

28. (currently amended): A liquid ejecting apparatus according to claim 26, wherein a position, on the most upstream side in said ~~carrying-transporting~~ direction, of a detection region of said sensor is on the downstream side, in said ~~carrying-transporting~~ direction, of said ~~carry-transport~~ roller.

29. (currently amended): A liquid ejecting apparatus according to claim 26, wherein said liquid ejecting apparatus further comprises a supporting section for supporting said medium that is ~~transported~~ ~~carried~~ from said ~~carry-transport~~ roller; and wherein said sensor is arranged such that a detection region of said sensor is located on said supporting section.

30. (original): A liquid ejecting apparatus according to claim 29, wherein calibration of said sensor is performed based on an output signal of said sensor in a state in which said supporting section is not supporting said medium.

31. (currently amended): A liquid ejecting apparatus according to claim 29, wherein a position, on the most upstream side in said ~~carrying-transporting~~ direction, of the detection region of said sensor is on said supporting section.

32. (currently amended): A liquid ejecting apparatus according to claim 29,

wherein said ~~carry-transport~~ unit ~~transports~~ ~~carries~~ said medium in a slanted manner with respect to said supporting section; and

wherein the position of said sensor is on the downstream side, in said ~~carry~~ing ~~transporting~~ direction, of a position at which a front edge of said medium first comes into contact with said supporting section.

33. (currently amended): A liquid ejecting apparatus according to claim 32,

wherein said ~~carry-transport~~ unit has a paper discharge roller for discharging said medium; and

wherein said medium that has been ~~carried-transported~~ in a slanted manner with respect to said supporting section passes a print region within which the liquid ejected from said nozzles land, and then reaches said paper discharge roller.

34. (currently amended): A liquid ejecting apparatus according to claim 32,

wherein a position, on the most upstream side in said ~~carry~~ing ~~transporting~~ direction, of the detection region of said sensor is on the downstream side, in said ~~carry~~ing ~~transporting~~ direction, of the position at which the front edge of said medium first comes into contact with said supporting section.

35. (original): A liquid ejecting apparatus according to claim 19,

wherein said liquid is ink; and

wherein said liquid ejecting apparatus is a printing apparatus that prints on a medium to be printed, which serves as said medium, by ejecting the ink from said nozzles.

36. (canceled).

37. (currently amended): A printing system comprising:

a main computer unit; and

a liquid ejecting apparatus that is connectable to said main computer unit and that is

provided with:

a movable head that is provided with a plurality of nozzles for ejecting a liquid;

a ~~carry-transport~~ unit for ~~carrying-transporting~~ a medium in a predetermined ~~carrying-transport~~ direction; and

a sensor for detecting ~~an edge~~lateral edges of said medium and that is movable with said head;

~~wherein said liquid ejecting apparatus controls ejection of said liquid from said plurality of nozzles in accordance with a result of the detection of said sensor; and~~

wherein a position, in the ~~transporting~~ ~~carrying~~ direction, of said sensor is on an upstream side of a nozzle located most upstream in said ~~transporting~~ ~~carrying~~ direction, of among said plurality of nozzles;

wherein said liquid ejecting apparatus generates print data expressing a print image, a width of said print image of said print data is wider than the width of said medium;

wherein said print data is masked so as to leave a margin outside each of said lateral edges detected by said sensor; and

wherein, in accordance with the masked print data, said liquid ejecting apparatus ejects said liquid in a region that is set wider than the width of said medium and does not eject said liquid beyond said margin.